

IN THE CLAIMS

Claim 1 (previously presented): A method of prefetching a referenced resource, comprising the steps of:

determining a group of references (107) to resources from a given first resource (106),

for each reference (107) to a resource in the group, computing a respective weight and assigning it to the reference (107),

determining a reference from the group having a maximal respective weight, and prefetching the resource referenced by that reference,

wherein the respective weight for a reference (107) is computed based on the number of times (202) the resource referenced by that reference (107) has been fetched previously, and on the number of times (203) one or more further resources have been fetched previously from a server (102, 103, 104) that serves the resource referenced by the reference (107).

Claim 2 (original): A method as claimed in claim 1, further comprising the step of prefetching further resources referenced by references (107) from the group in the order of their respective weights.

Claim 3 (original): A method as claimed in claim 1, wherein the computation of the respective weight is further based on one or more keywords from a description of the resource referenced by the reference (107).

Claim 4 (previously presented): A device (100) for prefetching a referenced resource, comprising

- link determination means (110) for determining a group of references (107) to resources from a given first resource (106),
- link weighting means (111) for computing, for each reference (107) to a resource in the group, a respective weight and assigning it to the reference (107),
- choosing means (112) for choosing from the group a first reference having a maximal respective weight, and

- prefetching means (113) for prefetching a resource referenced by that first reference, wherein the link weighting means (111) are arranged to compute the respective weight for a reference (107) based on the number of times (202) the resource referenced by that reference (107) has been fetched previously, and on the number of times (203) one or more further resources have been fetched previously from a server (102,103,104) that serves the resource referenced by the reference (107).

Claim 5 (original): A device (100) as claimed in claim 4, wherein the prefetching means (113) are further arranged for prefetching further resources referenced by references (107) from the group in the order of their respective weights.

Claim 6 (original): A device (100) as claimed in claim 4, wherein the link weighting means (111) are further arranged to compute the respective weight further based on one or more keywords from a description of the resource referenced by the reference (107).

Claim 7 (original): A computer program product enabling a programmable device when executing said computer program product to function as the device (100) of claim 4.

Claim 8 (original): The computer program product of claim 7, comprising a world-wide web browser.

Claim 9 (original): The computer program product of claim 7, comprising a caching proxy server.

Claim 10 (new): A method of prefetching a referenced resource, comprising the steps of:
determining a group of references (107) to resources from a given first resource (106),
determining a reference (107) from the group having a maximal respective weight wherein the respective weight for the reference (107) is computed based on the number of times (202) the resource (106) referenced by that reference (107) has been fetched previously, and on the number of times (203) one or more further resources have been fetched previously from a

server (102, 103, 104) that serves the resource referenced by the reference (107), and prefetching the resource referenced by that reference.

Claim 11 (new): A method as claimed in claim 10, further comprising the step of prefetching further resources referenced by references (107) from the group in the order of their respective weights.

Claim 12 (new): A method as claimed in claim 10, wherein the computation of the respective weight is further based on one or more keywords from a description of the resource referenced by the reference (107).

Claim 13 (new): A method as claimed in claim 10, further comprising the step of linking the group of references (107) to resources from the resource (106).

Claim 14 (new): A method as claimed in claim 13, wherein the step of linking further comprises computing, for each reference (107) to resources in the group, a respective weight and assigning it to the reference (107).

Claim 15 (new): A method as claimed in claim 14, wherein the step of linking further comprises choosing from the group a first reference having the maximal respective weight.

Claim 16 (new): A method as claimed in claim 14, wherein choosing further comprises computing the respective weight based on one or more keywords from a description of the resource referenced by the reference (107).

Claim 17 (new): A computer program product enabling a programmable device when executing the method of claim 10.

Claim 18 (new): The computer program product of claim 17, comprising a world-wide web browser.

Claim 19 (new): The computer program product of claim 17, comprising a caching proxy server.